IN THE CLAIMS

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2	structure comprising:
3	a plastic or glass or plastic laminated to glass substrate;
4	a layer of substrate insulation comprised of silicon dioxide or silicon nitride
5	formed on said substrate using low-temperature, thin-film integrated circuit
6	processing techniques performed using temperatures and materials which will
7	not damage said substrate, said layer formed so as to have having a thickness,
8	given the Young's Modulus and type of material of said layer of insulation and the
9	Young's Modulus, thickness and type of material of said substrate, such that little
10	or no differential strain between said the substrate and said layer of substrate
11	insulation occurs at any temperature in the normal operating temperature range of
12	said <u>device;</u> i ntegrated circuit;
13	an antenna conductor which is bonded onto, integrated onto or printed
14	onto said layer of substrate insulation substrate and having two conductive pads
15	or other conductive terminal areas where electrical connection to said antenna is
16	capable of being made;
17	an antenna insulation layer formed over said antenna conductor using
18	low-temperature, thin-film integrated circuit fabrication techniques using
19	temperatures and materials which will not damage previously formed structures
20	of said device, said antenna insulation layer formed so as to have vias or contact

1. [Currently Amended-Figure 3 embodiment] An integrated circuit A device

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low-temperature integrated circuit processing techniques using temperatures

a layer of silicon deposited on said antenna insulation layer using thin-film.

holes over said conductive terminal areas of said antenna conductor;

24	and materials which will not damage previously formed structures of said device;
25	an integrated circuit comprising an RFID tag or smart card transceiver and
26	processor and memory integrated circuit integrated on said substrate in said layer
27	of silicon using low-temperature, thin-film integrated circuit processing techniques
28	carried out at temperatures and using materials which will not damage previously
29	formed structures of said device and formed so as to have RF input/output
30	terminals which are electrically coupled to said conductive terminal areas of said
31	antenna.

2. [Currently Amended - Figure 1 embodiment] A An integrated-circuit device structure comprising:

a plastic or glass or plastic laminated to glass substrate;

a layer of <u>substrate insulation comprised of</u> silicon dioxide or silicon nitride or a combination of silicon dioxide and silicon nitride formed on said substrate using low-temperature, thin-film integrated circuit processing techniques performed using temperatures and materials which will not damage said substrate, said layer of substrate insulation formed so as to have having a thickness, given the Young's Modulus and type of material of said substrate insulation layer o and the Young's Modulus, thickness and type of material of said substrate, such that little or no differential strain between said the substrate and said layer of substrate insulation occurs at any temperature in the normal operating temperature range of said device integrated-circuit;

a layer of silicon deposited on said layer of substrate insulation using thinfilm, low-temperature integrated circuit processing techniques using temperatures and materials which will not damage previously formed structures

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said	

an integrated circuit comprising an RFID tag or smart card transceiver having antenna contacts and a processor and a memory integrated circuit integrated into said layer of silicon using low-temperature, thin-film integrated circuit fabrication techniques performed using temperatures and materials which will not damage previously formed structures on said device, on said-substrate on top of said insulation layer of silicon dioxide or silicon nitride said transceiver portion of said integrated circuit formed so as to have RF input/output terminals; and having a layer of insulating material formed over said integrated circuit;

an integrated circuit insulating layer formed over said integrated circuit using low-temperature, thin-film integrated circuit fabrication techniques using temperatures and materials which will not damage previously formed structures of said device, and having contact holes formed therethrough to allow electrical connection to said RF input/output terminals of said transceiver;

an antenna conductor which is bonded onto, integrated onto or printed onto said integrated circuit insulating layer covering said transceiver integrated circuit so as to make electrical connection with said RF input/output terminals of said transceiver. RF input/output terminals.

3. [Currently Amended] An integrated circuit A device structure comprising:

a first plastic or glass or plastic laminated to glass substrate;

a substrate insulation layer of silicon dioxide or silicon nitride formed on said substrate using integrated circuit processing techniques having temperatures and materials which will not damage said substrate, having said

substrate insulation layer formed so as to have a thickness selected given the

Young's modulus of the material of said substrate insulation layer such that little or no differential strain between the substrate and said <u>substrate insulation</u> layer occurs at any temperature in the normal operating temperature range of said device; integrated circuit;

an antenna conductor which is bonded onto, integrated onto or printed onto said substrate <u>insulation layer</u> and having two conductive pads or other conductive terminal areas where electrical connection to said antenna is capable of being made;

an RFID tag or smart card transceiver integrated circuit integrated <u>using</u>

<u>semiconductor processing techniques</u> on a second plastic or glass substrate

using flat panel display manufacturing equipment, said integrated circuit being cut

from said second plastic or glass substrate and bonded or otherwise attached to

said first plastic substrate and having RF input/output terminals; and

wires connected between said RF input/output terminals of said integrated circuit and said terminal areas of said antenna.

Please add a new claim 4 as follows:

4. A memory device comprising:

a plastic or glass or plastic laminated to glass substrate;

a layer of substrate insulation comprised of silicon dioxide or silicon nitride formed on said substrate using low-temperature, thin-film integrated circuit processing techniques performed using temperatures and materials which will not damage said substrate, said layer formed so as to have a thickness, given the Young's Modulus and type of material of said layer of insulation and the Young's Modulus, thickness and type of material of said substrate, such that little or no differential strain between said substrate and said layer of substrate insulation

occurs at any temperature in the normal operating temperature range of said device:

a layer of silicon deposited on said antenna insulation layer using thin-film, low-temperature integrated circuit processing techniques using temperatures and materials which will not damage previously formed structures of said device;

an EEPROM memory having a source, drain and channel region integrated

in said layer of silicon and having a gate insulation layer formed over said channel region which is thin enough to allow tunnelling when programming voltages are applied, and having a gate, and having an intergate insulation layer formed over

said gate, and having a control gate formed over said intergate insulation layer, all

thin-film integrated circuit processing techniques carried out at temperatures and

said structures forming said EEPROM memory formed using low-temperature,

using materials which will not damage previously formed structures of said

an EEPROM insulation layer formed over said EEPROM memory using low-temperature, thin-film integrated circuit processing techniques carried out at temperatures and using materials which will not damage previously formed structures of said device; said insulation layer formed so as to have contact holes therein to allow electrical contact to said control gate and said source and drain regions of said EEPROM memory;

a contact metallization layer formed over said EEPROM insulation layer so as to make electrial contact with said control gate and said source and drain regions of said EEPROM memory.

device: